PACKET QUEUE (INPUT)
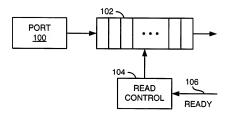

FIGURE 1
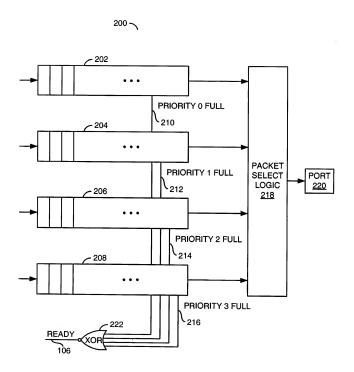
FIGURE 2

PACKET QUEUE (INPUT)

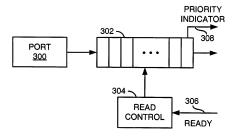

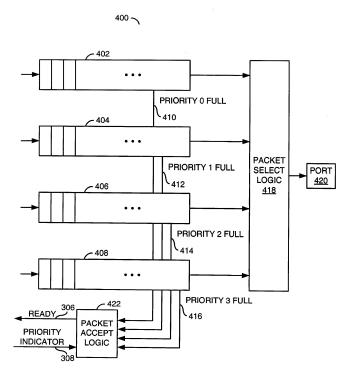FIGURE 3

FIGURE 4
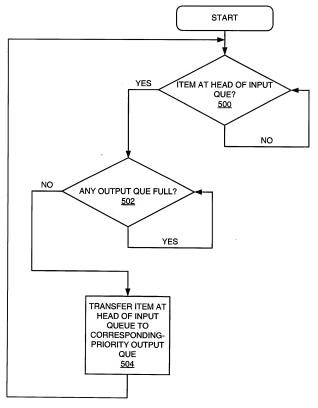
START
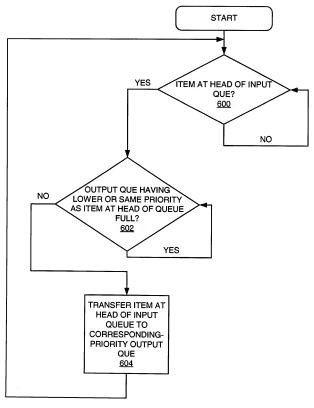
ITEM AT HEAD OF INPUT
QUE?
500

YES

NO

ANY OUTPUT QUE FULL?
502

NO

YES

TRANSFER ITEM AT
HEAD OF INPUT
QUEUE TO
CORRESPONDING-
PRIORITY OUTPUT
QUE
504

FIGURE 5

```
                    ┌─────────────────┐
                    │      START      │
                    └─────────────────┘
                              │
                              ▼
                    ╱─────────────────╲
              YES  ╱  ITEM AT HEAD OF   ╲
        ◄────────╱      INPUT QUE?       ╲◄──────┐
                 ╲        600            ╱        │
                  ╲─────────────────────╱    NO   │
                              │                   │
                              ▼
                    ╱──────────────────╲
              NO   ╱   OUTPUT QUE HAVING ╲
        ◄────────╱  LOWER OR SAME PRIORITY╲◄──────┐
                 ╲ AS ITEM AT HEAD OF QUEUE╱       │
                 ╲        FULL?           ╱   YES  │
                  ╲        602           ╱         │
                   ╲──────────────────╱
                              │
                              ▼
                    ┌──────────────────┐
                    │  TRANSFER ITEM AT│
                    │  HEAD OF INPUT   │
                    │     QUEUE TO     │
                    │ CORRESPONDING-   │
                    │ PRIORITY OUTPUT  │
                    │      QUE         │
                    │      604         │
                    └──────────────────┘
```

FIGURE 6

FIGURE 7